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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Qingsheng Zhu et al.

Examiner: Frances Oropeza

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### Title:

# METHOD AND DEVICE FOR PREVENTING PLAQUE FORMATION IN CORONARY ARTERIES



Commissioner for Patents  
Washington, D.C. 20231

## AMENDMENT AND RESPONSE

This paper is in response to the Office Action dated October 23, 2002. Detailed comments to the Office Action are found in the Remarks section below. Amendments to the claims are found in the following Amendments section.

## AMENDMENTS

## IN THE CLAIMS

Please replace claims 1 - 4, 7 - 11, 13 - 15 and 20 with their corresponding claims in the appendix entitled “Clean Version of the Amended Claims.” The replacement claims are intended to reflect the specific amendments as detailed in the following marked up set of claims.

1. (Amended) A method for preventing plaque build-up in a coronary artery, comprising:

providing an electrical field generating device, wherein providing the electrical field generating device includes [inserting] providing an implant in a patient's body, [connecting the implant to] providing a lead[, and extending the lead] within [the] a patient's body adjacent the coronary artery and connected to the implant; and

generating an electrical field from the lead based on a signal from the implant in the coronary artery to prevent plaque build-up in the coronary artery, and wherein generating the electrical field includes outputting a non-excitatory electrical field such that the electrical field does not interfere with the heart rhythm.

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02 FC:1201 252.00 OP  
03 FC:1202 90.00 OP